a reservoir in fluid communication with said sample collecting means,

turntable means adapted to support a plurality of containers thereon,

means associated with said reservoir for automatically discharging a predetermined volume of cloudwater from said reservoir into a preselected container on said turntable means, and

means to actuate said turntable means to index a successive container to be filled into operative relation with said reservoir when said preselected container has received said predetermined volume of cloudwater.

13. The cloudwater collector of claim **12**, said automatic discharge means comprising valve means operable to open when said predetermined volume of cloudwater has been collected to discharge same into said container, said turntable indexing means being actuated when said valve means is closed.

14. The cloudwater collector of claim **12**, said automatic discharge means comprising a liquid level sensor for said reservoir and valve means associated with said liquid level sensor, said liquid level sensor actuating said valve means when said reservoir is filled with cloudwater to a predetermined level to discharge the cloudwater from said reservoir into said preselected container.

15. The cloudwater collector of claim **12**, said automatic discharge means comprising timer means for timing the flow of cloudwater into said reservoir over a preselected time interval and valve means associated with said timer means, said timer means actuating said valve means after said preselected time interval, to discharge the cloudwater from said reservoir into said preselected container.

16. The cloudwater collector of claim **12**, said automatic discharge means comprising a liquid level sensor for said reservoir and valve means associated with said liquid level sensor, said liquid level sensor actuating said valve means when said reservoir is filled with cloudwater to a predetermined level to discharge the cloudwater from said reservoir into said preselected container, and also including timer means for timing the flow of cloudwater into said reservoir over a preselected time interval and valve means associated with said timer means, said timer means actuating said valve means after said preselected time interval, to discharge the cloudwater from said reservoir into said preselected container, said liquid level sensor or said timer means actuating its associated valve means to discharge the cloudwater from said reservoir after said predetermined volume is achieved or said preselected time interval has elapsed, whichever occurs first.

17. The cloudwater collector of claim **12** including means for deactivating said turntable indexing means when all of the containers on said turntable have been filled, and means for thereafter diverting incoming cloudwater from said reservoir to an overflow container.

18. The cloudwater collector of claim **12** including means for actuating said automating means when cloudwater is present, for discharge of sample liquid from the sample collecting means of said cloudwater collector, to said reservoir.

19. The cloudwater collector of claim **12**, said means for automatically discharging a predetermined volume of cloudwater from said reservoir including,

a first valve means,

a second valve means,

means for actuating said first valve means when said predetermined volume of cloudwater has been collected in said reservoir to open and fill a first container at a fill station on said turntable,

timer means for actuating said second valve means when said first valve means has been actuated, to open and fill a second smaller container at said fill station on said turntable,

said timer means closing said second valve means after a pre-set time interval, and said means for actuating said first valve means closing same after a longer pre-set time interval, and

means for sensing the closing of said first valve means, to actuate said indexing means to index successive first and second containers for advancement to said fill station.

20. The cloudwater collector of claim **19**, said means to actuate said first valve means including a liquid level sensor means to monitor collection of said predetermined volume of cloudwater in said reservoir, and means associated with said liquid level sensor means to actuate said first valve means.

21. The cloudwater collector of claim **19** including a timer means to monitor collection of said predetermined volume of cloudwater in said reservoir, and means associated with said last-mentioned timer means to actuate said first valve means.

22. The cloudwater collector of claim **19** including a rack on said turntable adapted to support a plurality of said first containers in a circle adjacent the outer periphery of said turntable and a plurality of said second smaller containers in a concentric circle adjacent said first containers.

23. The cloudwater collector of claim **1**, including means for automating the collection of successive cloudwater samples, said automating means comprising

a reservoir in fluid communication with said sample collecting means,

a carousel,

means supporting said carousel for limited rotation,

a rack on said carousel adapted to support a plurality of first sample bottles in a circle adjacent the outer periphery of said carousel and a plurality of second smaller sample bottles in concentric circles adjacent said circle of first containers,

a fill station on said carousel wherein one of said first bottles and a plurality of said second bottles in said concentric circles are in a row,

a discharge line from said reservoir,

a first valve in said discharge line adapted to discharge liquid from said reservoir into one of said first bottles at said fill station,

a second valve in said discharge line adapted to discharge liquid from said reservoir into the second bottles in said row at said fill station,

a liquid level sensor to monitor collection of a predetermined volume of cloudwater in said reservoir,

means associated with said liquid level sensor to actuate said first valve means when said predetermined volume of cloudwater has been collected in said reservoir to open and fill a first bottle at said fill station,

timer means for actuating said second valve when said first valve has been actuated, to open and fill the second bottles in said row at said fill station, said timer means closing said second valve after a pre-set time interval, and said means for actuating